

ASRB NET

**Previous Year Paper
2014 Paper-II**

कृषि वैज्ञानिक चयन मण्डल

14080

AGRICULTURAL SCIENTISTS RECRUITMENT BOARD

अनुक्रमांक / Roll No.....

केन्द्र / Centre NAV BHARTI SR
DELHI

माध्यम / Medium ENGLISH

हस्ताक्षर-पर्यवेक्षक /

Signature o

प्रशासनिक अधिकारी परीक्षा-2014

प्रश्न पत्र-II (विषयपरक)

Administrative Officer Examination-2014

PAPER-II

समय : 3 घंटे

Time Allowed: 3 Hours

पूर्णांक : 300

Max. Marks: 300

अनुदेश/INSTRUCTIONS

1. आप इस प्रश्न पत्र की पड़ताल अवश्य कर लें कि इसमें कोई बिना छपा, फटा या छूटा हुआ पृष्ठ न हो। यदि ऐसा है, तो इसे बदल लें।
2. इस प्रश्न पत्र में 3 (तीन) अनुभाग हैं तथा प्रत्येक के 100 अंक हैं। प्रत्येक अनुभाग में प्रश्नों के उत्तर देने के बारे में निर्देश दिए गए हैं।
3. उत्तर केवल नीले या काले बॉल पेन/स्याही पेन से उसी माध्यम में दिए जाएं जो परीक्षार्थी को जारी प्रवेश प्रमाण-पत्र में दिया गया है।
4. प्रवेश प्रमाण पत्र और उत्तर पुस्तिका में निर्दिष्ट अनुदेशों का कड़ाई से पालन किया जाए।
5. परीक्षा के समापन पर केवल उत्तर पुस्तिका ही अधीक्षक को सौंपें। आपको अपने साथ प्रश्न पत्र ले जाने की अनुमति है।
6. प्रत्येक अनुभाग के प्रश्नों का उत्तर क्रमवार में दें।

1. YOU SHOULD CHECK THAT THIS QUESTION PAPER DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES. IF SO, GET IT REPLACED.
2. This Paper contains 3(three) sections and each is of 100 (One hundred) marks. Each section contains instructions about questions to be attempted.
3. Answer must be written only with Blue or Black BALL PEN/INK PEN in the medium specified in the admission certificate issued to the candidate.
4. Instructions given in the admission certificate and answer sheet should be followed strictly.
5. After the examination is over, you should hand over to the Invigilator only the Answer Sheet. You are permitted to carry with you the Question Paper.
6. Each section is to be attempted in continuation.

SECTION-A

General Knowledge of Development of Economics, Social, Scientific & Cultural fields

Attempt any Five Questions

Each Question Carries 20 marks

Total Marks: 100

- Q.1 What is the Agriculture Policy in India? Write the performance of the Agriculture Sector?
- Q.2 What do you understand by Right to Information (RTI) Act, 2005 and what are obligations of Public authorities under RTI Act? What are exemptions under the Act? How day to day life has become easier after the promulgation of this Act? Please discuss.
- Q.3 Spurt in rape incidents in recent past, has given rise to a demand for amendments in "Juvenile Act". Explain about the pros and cons of making any such amendments.
- Q.4 What are the differences between Fundamental Rights and Directive Principles of State Policy? At what extent an Indian citizen is concerned about Fundamental duties? Please discuss.
- Q.5 (a) What do you understand by terms green revolution, white revolution and blue revolution? Briefly explain each term.
- (b) What do you understand by Test tube baby, cloning and Bt. Crops?
- Q.6 Describe 'inflation'. What are its causes? Why India is facing persistently high food Inflation despite high growth in food production? What measures should be taken to tame high rate of food inflation?
- Q7. Write short notes on any four of the following:-
- (a) Four most important miracles of science during 20th century.
 - (b) Genetically modified crops and their prospects.
 - (c) Indirect Taxes
 - (d) Environmental Pollution
 - (e) Is Indian cinema promoting positive social change?
 - (f) Starred & Unstarred Questions in Parliamentary terms.
 - (g) El Nino and La Nino concepts related to climate.

Section B

(ARITHMETICAL ABILITY)

Total Marks: 100

Attempt any five Questions. Each question carried equal marks.

- Q.1 a) The sum of the 1st and 3rd of three consecutive odd integers is 131 less than 3 times the second integers. Find the three integers.
- b) How many liters of 20% alcohol solution should be added to 40 liters of 50% alcohol solution to make a 30% solution?
- c) The circumference of a circle is equal to 72π . Find the radius of the circle.
- d) An aeroplane covers a certain distance at a speed of 240 km/hour in 5 hours. To cover the same distance in $1\frac{2}{3}$ hours, at what speed it at what it must travel? (5x4)
- Q.2 If the speed of a boat in still water is 10 km/hr, man can travel 78 km and 42 km in downstream and upstream respectively in same time. Find the time to travel 78 km in upstream if the speed of boat in still water is increased by 20%.
- Q.3 There is a regular six sided quadrilateral inscribed in a circular field of radius 4 km. It was decided to plant a grass in the field not included in the quadrilateral. If the cost of the planting the grass is Rs.100 per sq. m. Find the cost of planting the grass in the field.
- Q.4 A milk man has cane containing 35 liters milk in which water content is 25 %. A milk man faces a tough competition in selling the milk. So he decides to mix it with 10 liters of milk containing 15 % water. He faces the same problem and decides to add 12 liters of 100% milk in the mixed milk to reduce water percentage in the milk. Now what is the % of water in the mixture?
- Q.5 A, B and C enters into partnership business with capitals in a ratio of 3:4:5. After 3 months, A withdrew $\frac{1}{3}$ of his capital and B increased $\frac{1}{4}$ his capital. At the end of 10 months, the gain was Rs. 7650. What is C's share in the profit?
- Q.6 Water flowing through a cylindrical pipe of internal diameter 2 cm in to a cylindrical tank of base radius 40 cm at the rate of 0.4 m/s. Find out the rise in the level of water in the tank in half an hour.
- Q.7 The difference between simple and compound interest compounded annually on a certain sum of money for 2 years at 5% per annum is Rs. 15. The sum was invested where compound interest calculated semi annually. Find the difference between maximum and minimum incomes for two years?